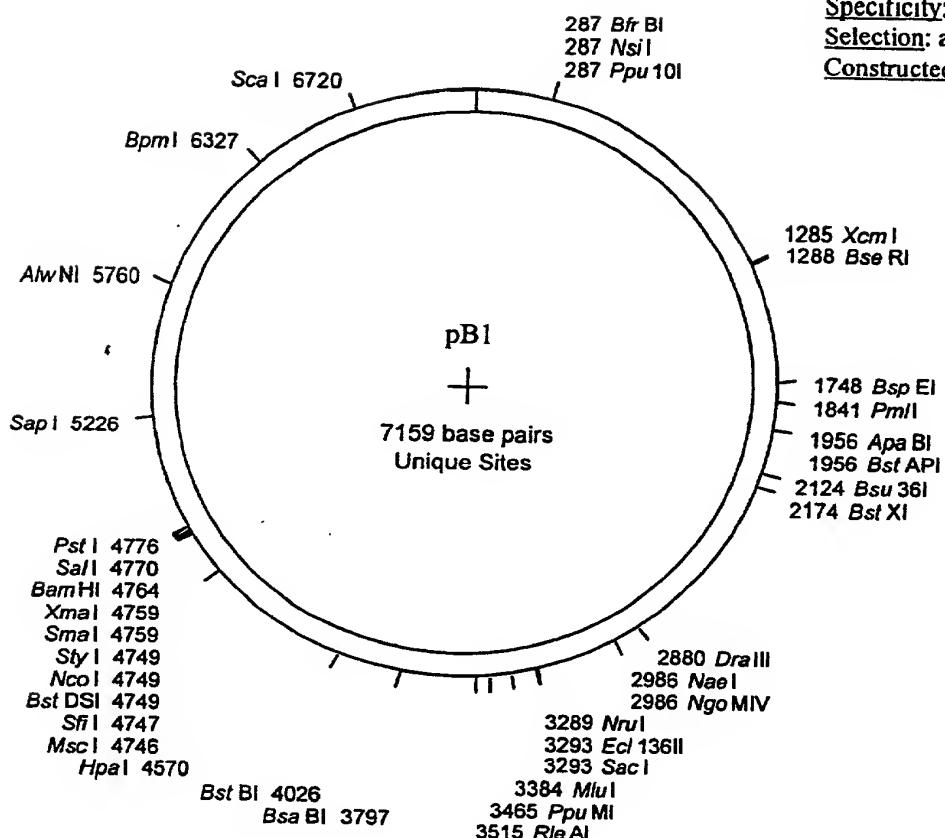


pB1

Alias: pAS2DD
Application: 2HY (bait)
Backbone:
Specificity:
Selection: ampicillin
Constructed by:



Oligo 160

gagagttagtaacaaaggtc AAAGACAGTTGACTGTATCGCCG GAA TTT AT

Sfi I	Sma I	Bam HI	Sal I	Pst I
G GCC ATG GAG	GCC CCG GGG ATC	CGT CGA CCT GCA	GCC	
<u>Nco I</u>				

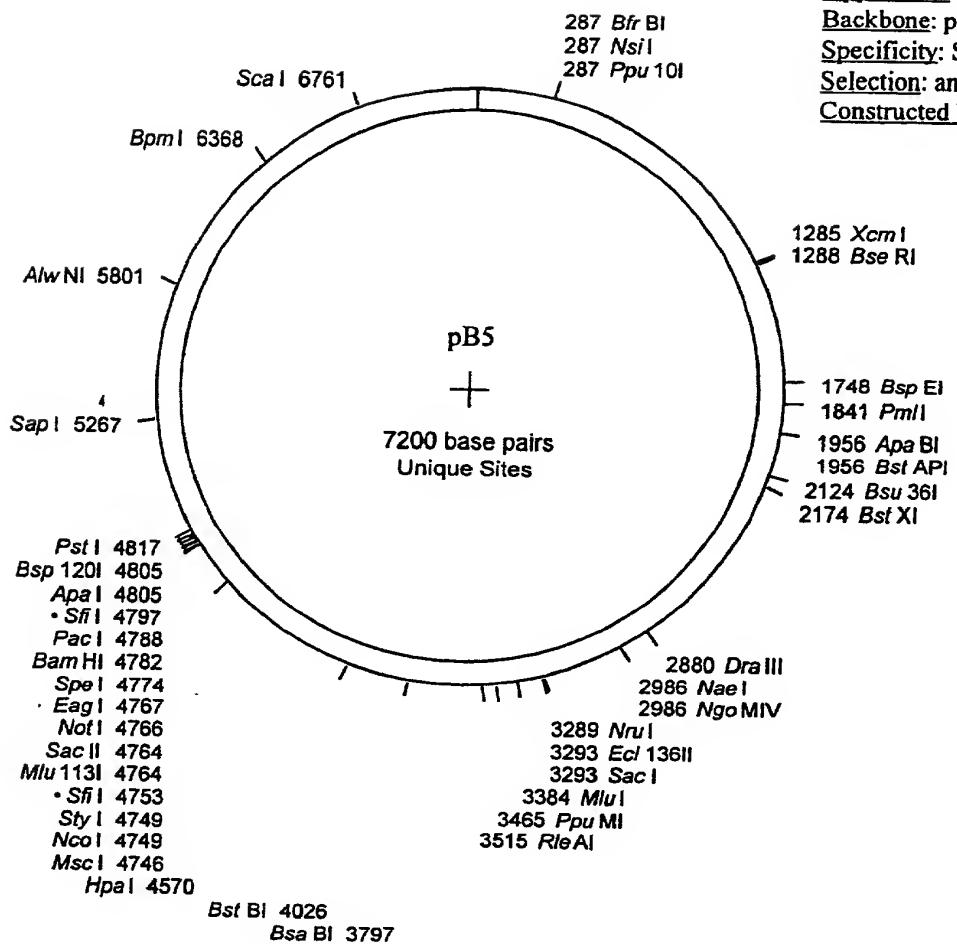
Oligo 161

AAG CTA ATT ccggggcgaattctttatg

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'
Oligo 161 5' CATAAGAAATTCGCCCGG 3'

FIGURE 1

pB5²



Alias: pAS2DDNS1
Application: 2HY (bait)
Backbone: pAS2DD
Specificity: Sfi non-oriented
Selection: ampicillin
Constructed by: SW

Oligo 160

gagagttagtaacaaagggtc AAAGACAGTTGACTGTATGCCG GAA TTT ATG

Sfi I	Sac II	Spe I	Bam HI
GCC ATG	GCC GCA GGG	GCG GCC GCA	CTA GTG GGG ATC C
<u>Nco I</u>	<u>Not I</u>		

STOP	Sfi I	Pst I
TT AAT	TAA	GGG CCA CTG GGG CCC CTC GAC
<u>Pac I</u>		CTG CAG CCA

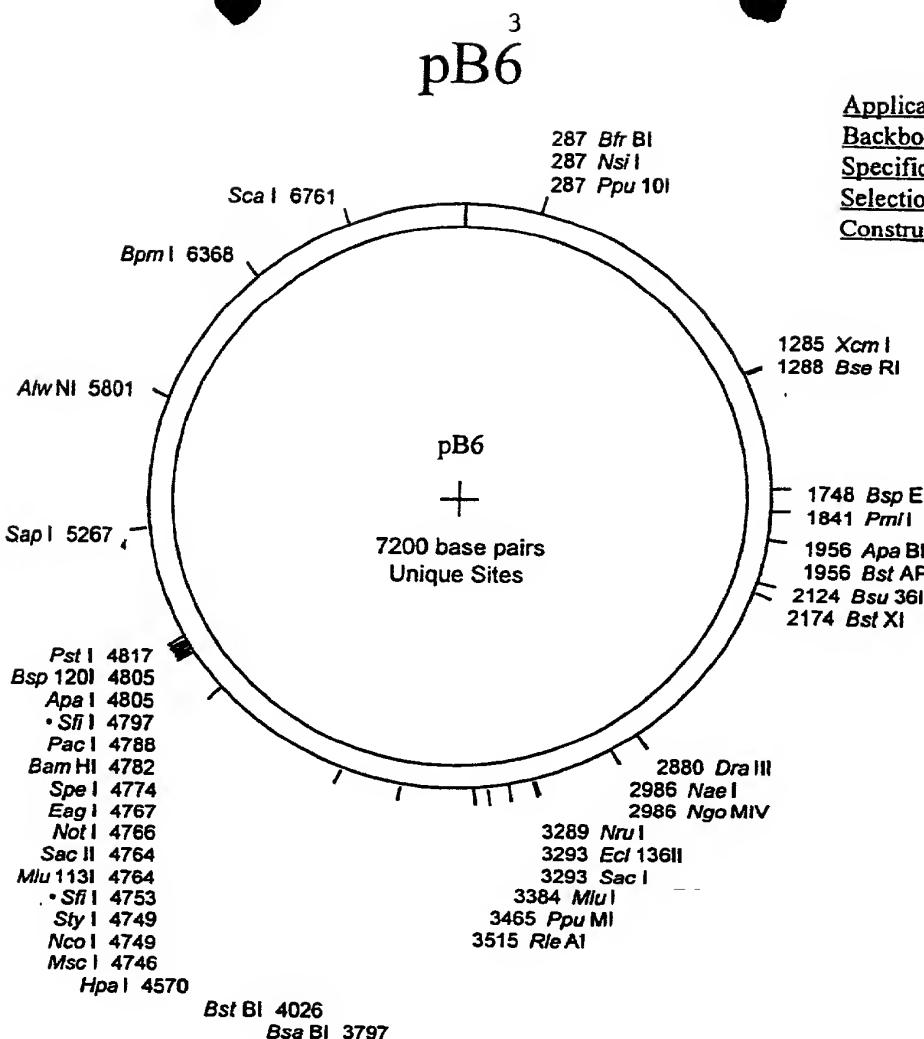
Oligo 161

AGC TAA TT ccggggcgaatttctttag

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'

Oligo 161 5' CATAAGAAATTGCCCCGG 3'

FIGURE 2



Oligo 160

gagagtagtaacaaaggtc AAAGACAGTTGACTGTATGCCG GAA TTT ATG

Sfi I	Sac II	Spe I	Bam HI
GCC ATG GCC GGA CGG GCC GCG	GCC GCA CTA GTG	GGG ATC C	
Nco I	Not I		

STOP	Sfi I	Apa I	Pst I
TT AAT TAA	GGG CCA CTG GGG CCC	CTC GAC	CTG CAG CCA
Pac I			

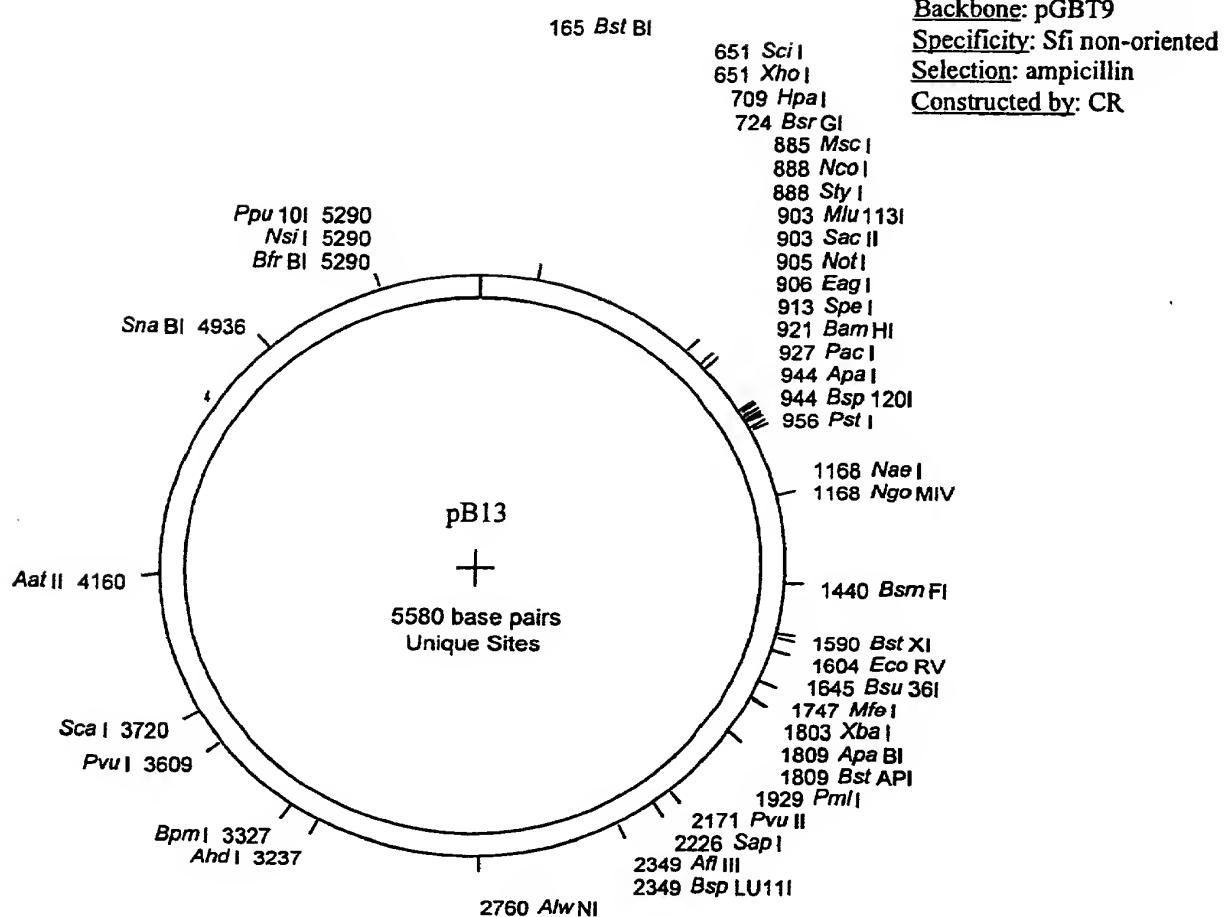
Oligo 161

AGC TAA TT ccggggcgaaattcttatg

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'
 Oligo 161 5' CATAAGAAATTGCCCGG 3'

FIGURE 3

4 pB13



Oligo 160

gagagttagtaacaaaggtc AAAGACAGTTGACTGTATCGCCG GAA TTT ATG

Sfi I	Sac II	Spe I	Bam HI
GCC ATG GCC GCA GGG GCC	GCG GCC GCA CTA GTG	GGG ATC C	
Nco I	Not I		
STOP Sfi I Pst I			
TT AAT TAA	GGG CCA CTG GGG CCC	CTC GAC	CTG CAG CCA
Pac I			

Oligo 161

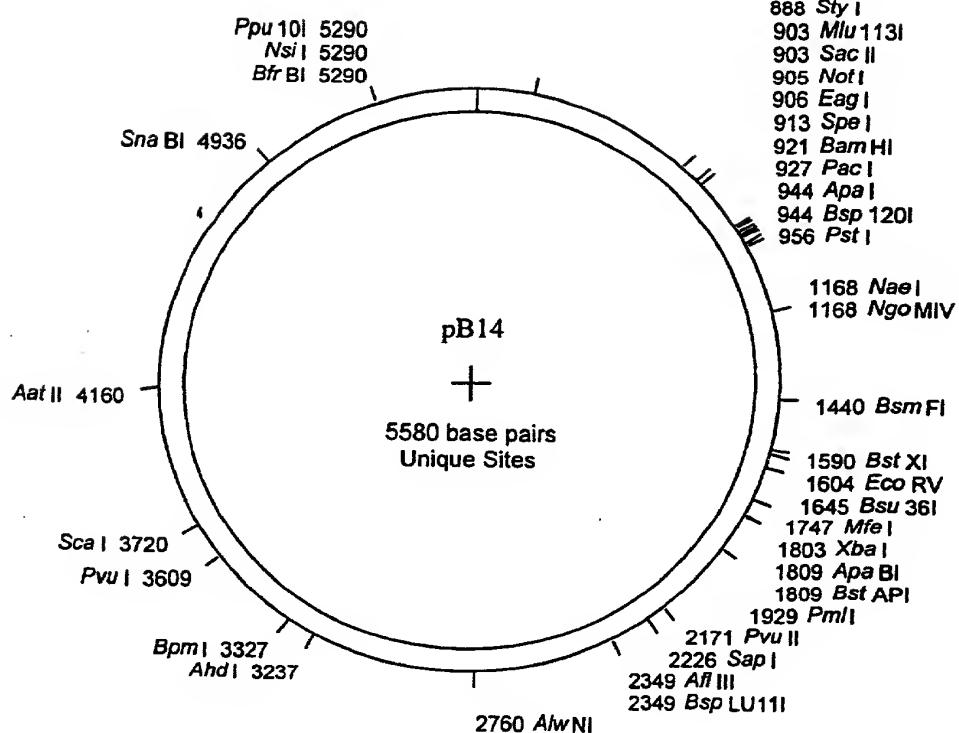
AGC TAA TT **ccgggcgaattctttag**

Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'
Oligo 161 5' CATAAGAAATTGCCCCGG 3'

5
pB14

165 *Bst* BI

Alias: pGBT9NS2
Application: 2HY (bait)
Backbone: pGBT9
Specificity: Sfi oriented
Selection: ampicillin
Constructed by: CR



Oligo 160

gagagttagtaacaaaggtc AAAGACAGTTGACTGTATGCCG GAA TTT ATG

	<u>Sfi I</u>	<u>Sac II</u>	<u>Spe I</u>	<u>Bam HI</u>					
GCC	ATG	GCC	GGA CGG	GCG	GCC	GCA	CTA GTG	GGG	ATC C
<u>Neo I</u>				<u>Not I</u>					

TT	AAT	<u>STOP</u> <u>TAA</u>	<u>Sfi I</u>	<u>Apa I</u>	<u>Pst I</u>						
		GGG	CCA	CTG	GGG	CCC	CTC	GAC	CTG	CAG	CCA
<u>Pac I</u>											

Oligo 161

AGC TAA TT ccgggcgaattctttag

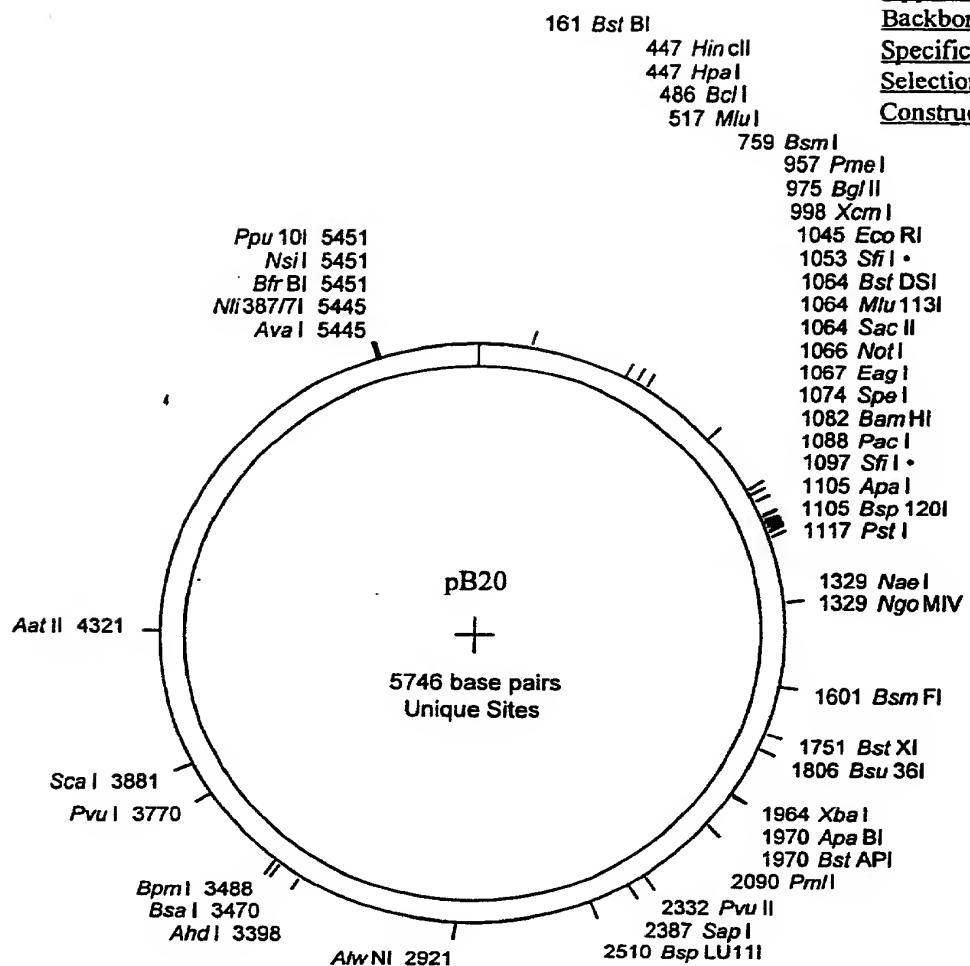
Oligo 160 5' GAGAGTAGTAACAAAGGTC 3'

Oligo 161 5' CATAAGAAATTGCCCGG 3'

FIGURE 5

pB20⁶

Alias: pLex10NS2
Application: 2HY (bait)
Backbone: pLex10 (pB9)
Specificity: Sfi-oriented
Selection: ampicillin
Constructed by: LD

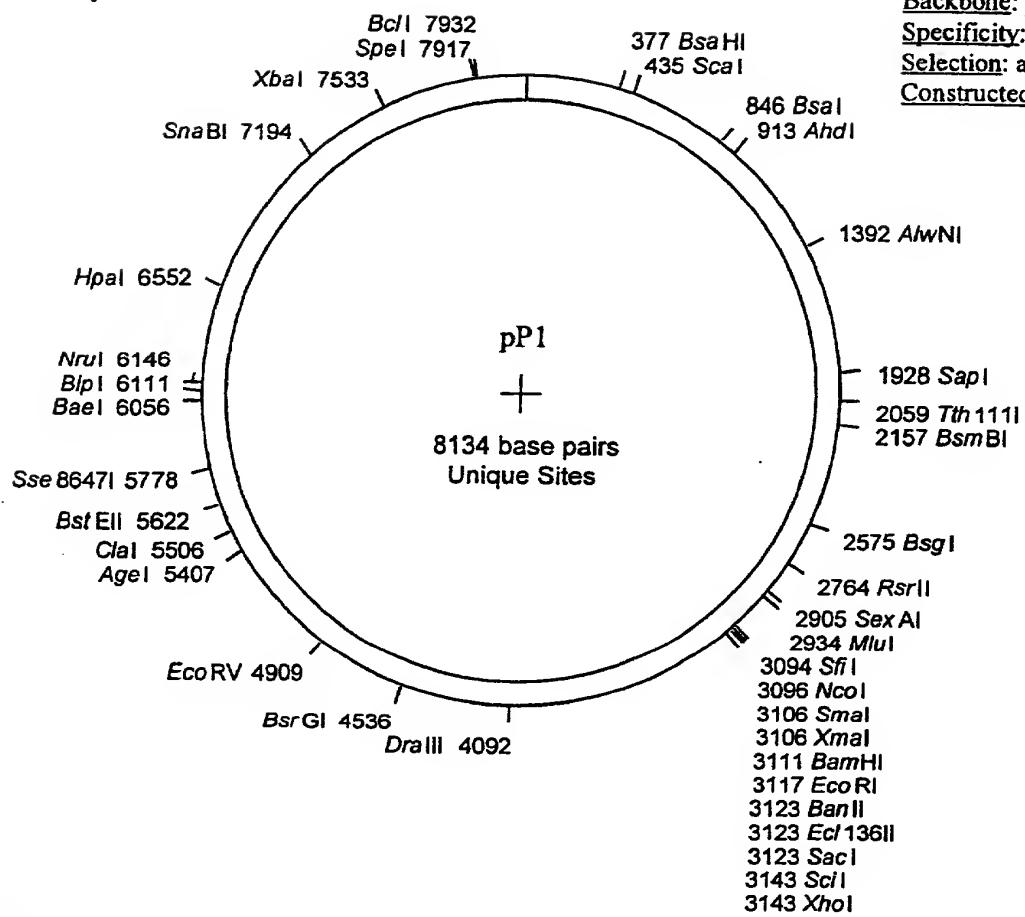


EcoR I	Sfi I	Not I	Spe I	BamH I										
GAA	TTC	GGG	GCC	GGA	CGG	GCC	GCG	GCC	GCA	CTA	GTG	GGG	ATC	C
		Sac II												
TT	AAT	STOP	TAA	GGG	CCA	CTG	GGG	CCC	CTC	GAC	CTG	CAG		
Pac I		Sfi I								Pst I				

FIGURE 6

7
pP1

Alias : pACTIIst
Application: 2HY (prey)
Backbone: pACTII
Specificity:
Selection: ampicillin
Constructed by:



ABS1

cgtttggaaatcacatacagg GATGTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90

Bgl II

cgatgatgaagataccccaccaa CCCAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

Sfi I

Sma I

Bam H I

ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GAG GCC CCG GGG ATC CGA ATT

Sac I

Neo I

Xho I

Bgl II

CGA GCT CGA CTA GCT AGC TGA CTC GAG AGA TCT ATGAAT

cgtagatactgaaaaacccc GCAAGTT

cacttcaactgtgcacgtg

caccatctcaatttc

162

ABS2

53

ABS1 5' CGTTTGGAAATCACTACAGG 3'

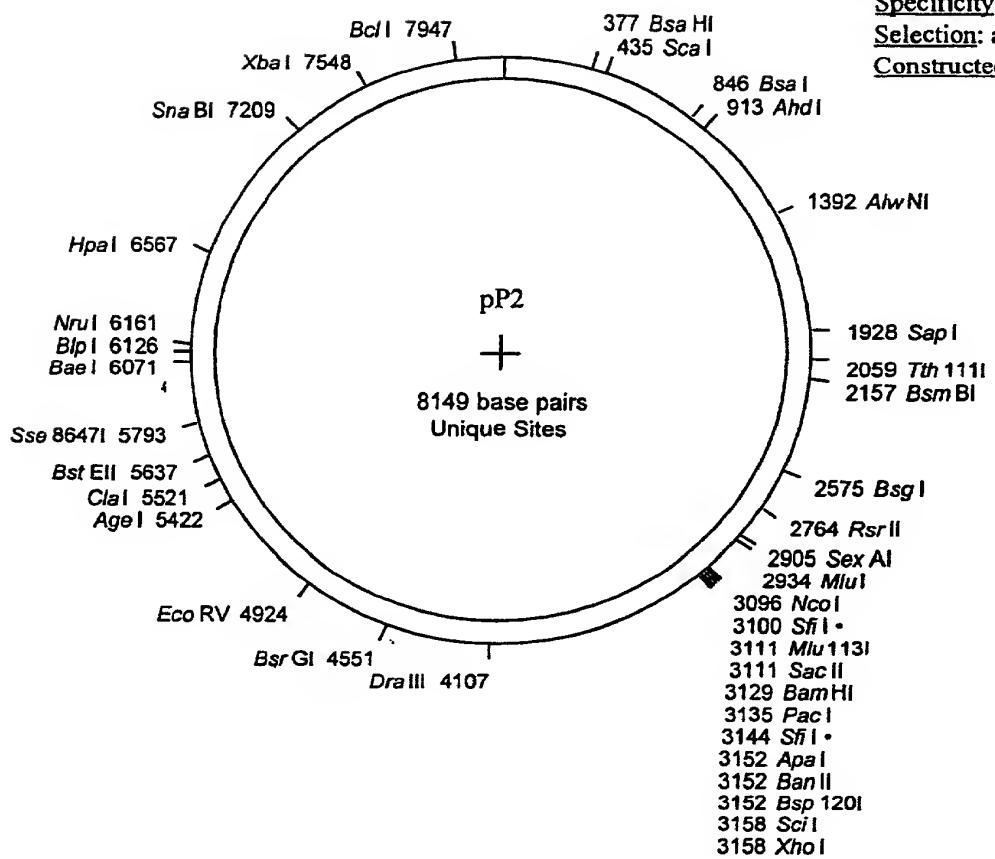
JC90 5' CGATGATGAAGATACCCCACCAAA 3'

162 5' GGGGTTTTCAGTATCTACG 3'

ABS2 5' CACGATGCACAGTTGAAGTG 3'

53 5' GAAATTGAGATGGTGCACGATGCAC 3'

Application: 2HY (prey)
Backbone: pACTIIst
Specificity: Sfi non-oriented
Selection: ampicillin
Constructed by: SW



ABS1

CG cgtttggaaatcactacagg GATGTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90

Bgl II

cgatgatgaagataccccacccaa CCCAAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

Sfi ISac II

ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GCC GCA GGG GCC GCG GCC GCA

Neo IBam H IPac I

CTA GTG GGG ATC CTT AAT TAA GGG CCA CTG GGG CCC CTC GAG AGA TCT
 Stop

ATGAAT cgtagatactgaaaaacccc GCAAGTT cacttcaactgtgcacgtg caccatctcaatttc

162

ABS2

53

ABS1 5' CGTTTGGAAATCACTACAGG 3'

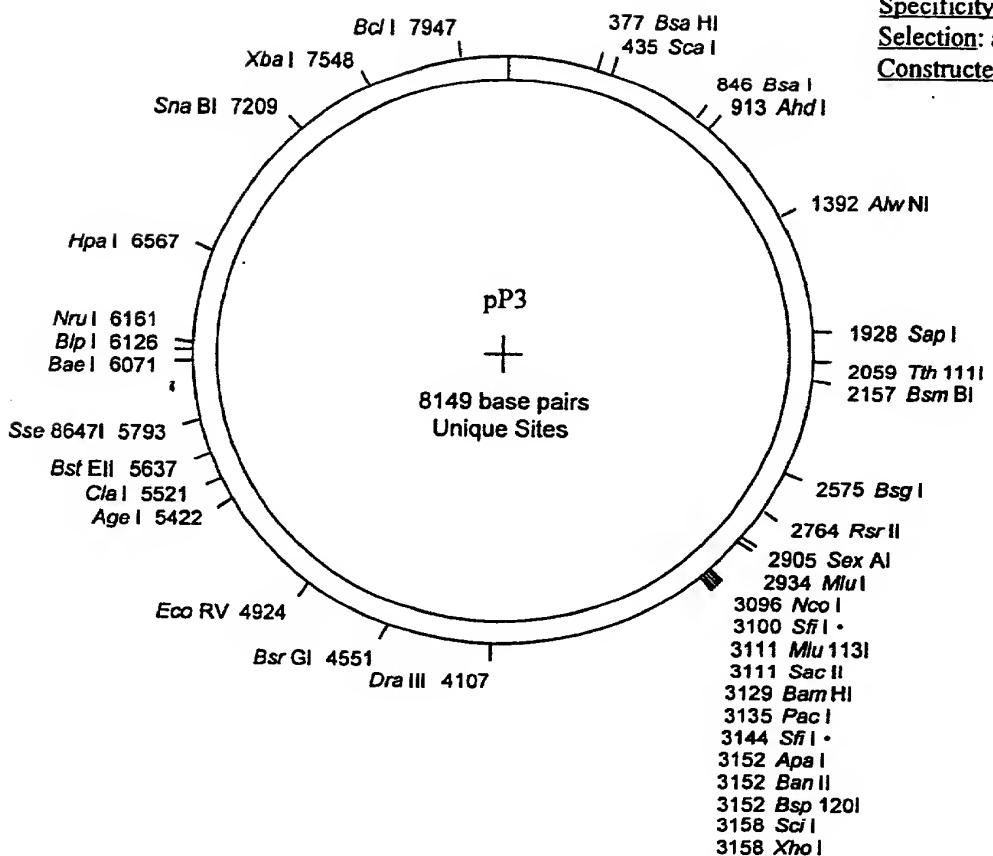
JC90 5' CGATGATGAAGATACCCACCAAA 3'

162 5' GGGGTTTCAGTATCTACG 3'

ABS2 5' CACGATGCACAGTTGAAGTG 3'

53 5' GAAATTGAGATGGTGCACGATGCAC 3'

9
pP3



Application: 2HY (prey)
Backbone: pACTIIst
Specificity: Sfi oriented
Selection: ampicillin
Constructed by: SW

ABS1

CG cgtttggaaatcactacagg GATGTTAACCACTACAATGGATGATGTATATAACTATCTATT

JC90

Bgl II

cgatgatgaagataccccacccaa CCCAAAAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

Sfi I

Sac II

ATTACGCTAGCTTGGGTGGTCATATGGCC ATG GCC GGA CGG GCC GCG GCC GCA

BamH I

Pac I

Nco I

CTA GTG GGG ATC CTT AAT TAA GGG CCA CTG GGG CCC CTC GAG AGA TCT

Stop

ATGAAT

cgtagatactggaaaaaccc

GCAAGTT

cacttcaacgtgcacatcg

caccatctcaatttc

162

ABS2

53

ABS1 5' CGTTTGGAAATCACTACAGG 3'

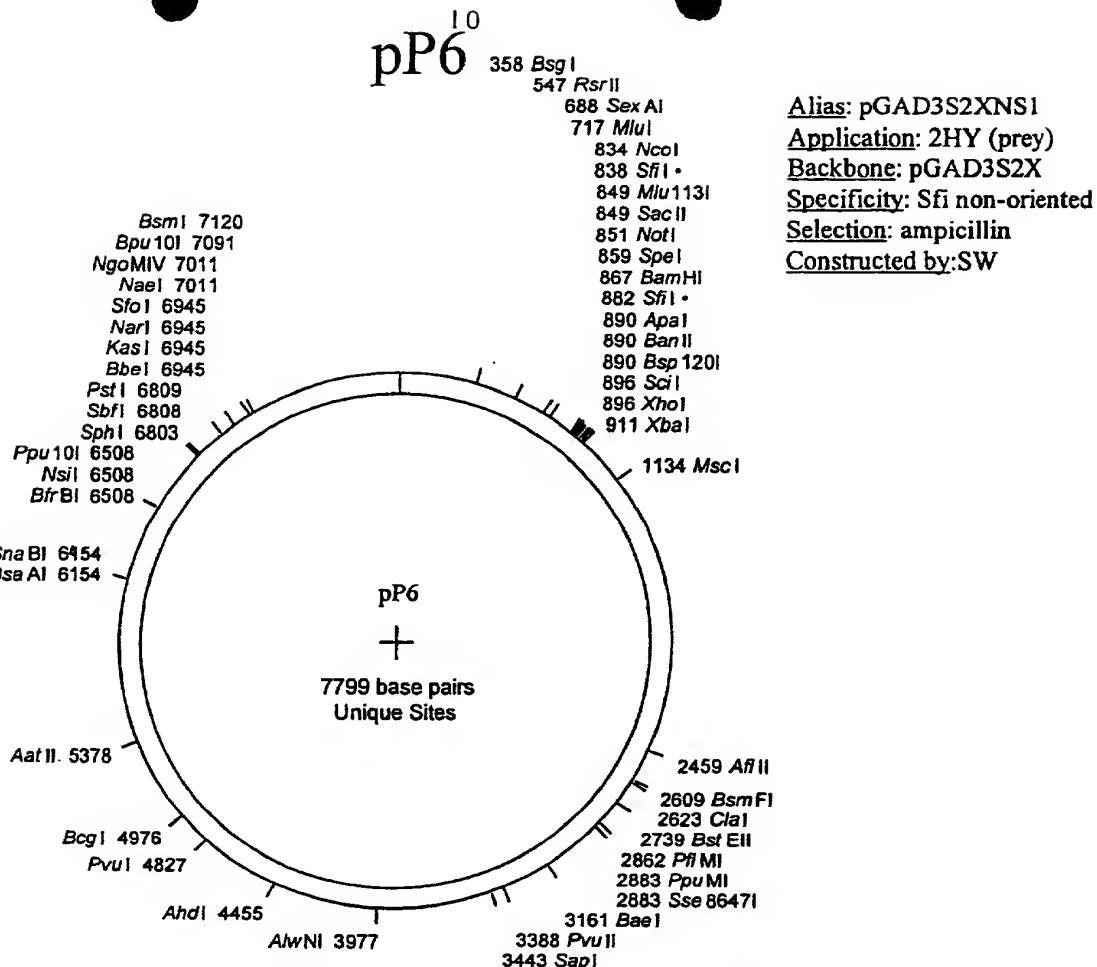
JC90 5' CGATGATGAAGATACCCACCAAA 3'

162 5' GGGGTTTTCACTATCTACG 3'

ABS2 5' CACGATGCACAGTTGAAGTG 3'

53 5' GAAATTGAGATGGTGCACGATGCAC 3'

FIGURE 9



ABS1

cggtttggaaatcaactacagg GATGTTTAATACCACTACAATGGATGATGTATAACTATCTATT

JC90

cgatgatgaagataccccacccaaa CCCAAAAAAAAGAGATCCTAGAACTA

Sfi I **Sac II** **Spe I** **Bam HI**

GCC ATG GCC GCA GGG GCC GCG GCC GCA CTA GTG GGG ATC C

Nco I

Not I

Spe I

Bam HI

GCC ATG GCC GCA GGG GCC GCG GCC GCA CTA GTG GGG ATC C

STOP **Siemens** **Siemens** **Siemens** **Siemens**

STOP **Sst 1** **Xba 1**

TT AAT **TAA** GGG CCA CTG GGG CCC CTC GAG **TAG** CTA GTG TGT AGA

STOP STOP STOP

GGCCCCGGTACCCAAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCG TCGTT

GTT cacttcaacttgtcatcgta caccatctcaatttttttc 162

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ABS2 53

ABS1 5' CGTTTGGAAATCACTACAGG 3'

JC90 5' CGATGATGAAGATACCCCACCAAA 3'

162 5' GGGGTTTTCACTATCTACG 3'

ABS2 5' CACGATGCACAGTTGAAGTG 3'

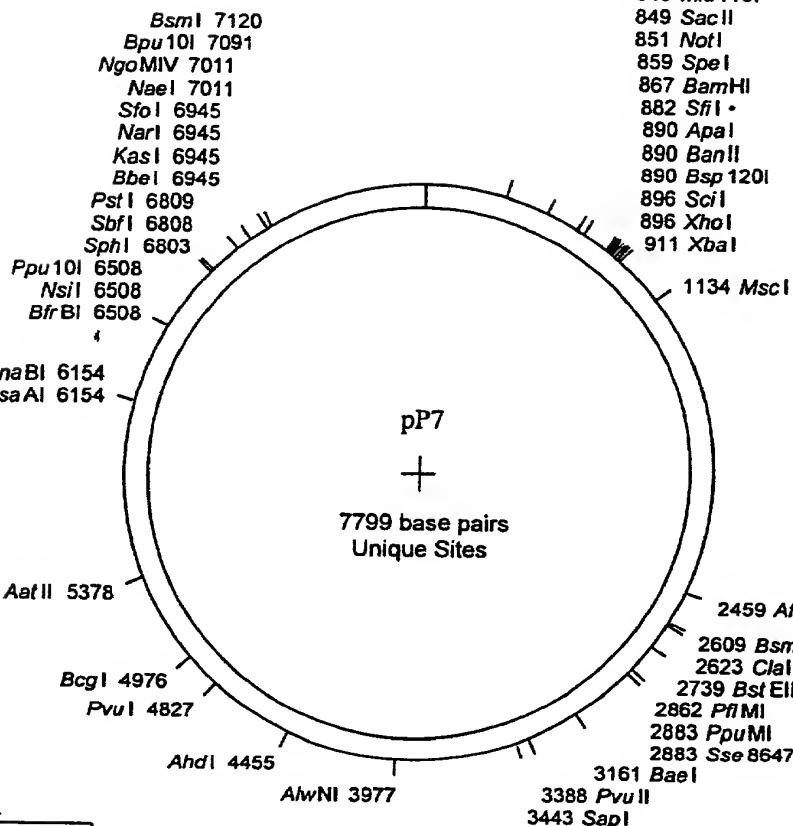
pP7

358 *Bsg*I

547 *Rsr*II

688 *Sac*AI
717 *Mlu*I
834 *Nco*I
838 *Sfi*I
849 *Mlu*113I
849 *Sac*II
851 *Not*I
859 *Spe*I
867 *Bam*HI
882 *Sfi*I
890 *Apal*
890 *Ban*II
890 *Bsp*120I
896 *ScI*I
896 *Xba*I
911 *Xba*I

Alias: pGAD3S2XNS2
Application: 2HY (prey)
Backbone: pGAD3S2X
Specificity: *Sfi* oriented
Selection: ampicillin
Constructed by: SW



ABS1

rgtttggaaatcaactacagg GATGTTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90

cgatgatgaagatacccccacccaa CCCAAAAAAAAGAGATCCTAGAACTA

<u>Sfi</u> I		<u>Sac</u> II		<u>Spe</u> I		<u>Bam</u> HI								
GCC	ATG	GCC	GGA	CGG	GCC	GCA	CTA	GTG	GGG	ATC	C			
<u>Nco</u> I			<u>G</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>C</u>	<u>T</u>	<u>G</u>	<u>A</u>				
STOP		<u>Sfi</u> I			<u>Xho</u> I						<u>Xba</u> I			
TT	AAT	TAA	GGG	CCA	CTG	GGG	CCC	CTC	GAG	TAG	CTA	GTG	TCT	AGA

GGCCCGGTACCCAATTGCCCTATAGTGAGTCGTATTACAATTCACTGGCCGTGTTTA

CAACGTCTGACTGGAAAACCTGATCTATGAAT cgtagatactaaaaacccc GCAA

GTT cacttcaactgtgcacgtg caccatctcaatttcctt 162

ABS2

53

ABS1 5' CGTTTGGAAATCACTACAGG 3'

JC90 5' CGATGATGAAGATACCCCACCAA 3'

162 5' GGGGTTTTCACTATCTACG 3'

ABS2 5' CACGATGCACAGTTGAAGTG 3'

53 5' GAAATTGAGATGGTGCACGATGCAC 3'

VECTORS EXPRESSING THE T25 FRAGMENT

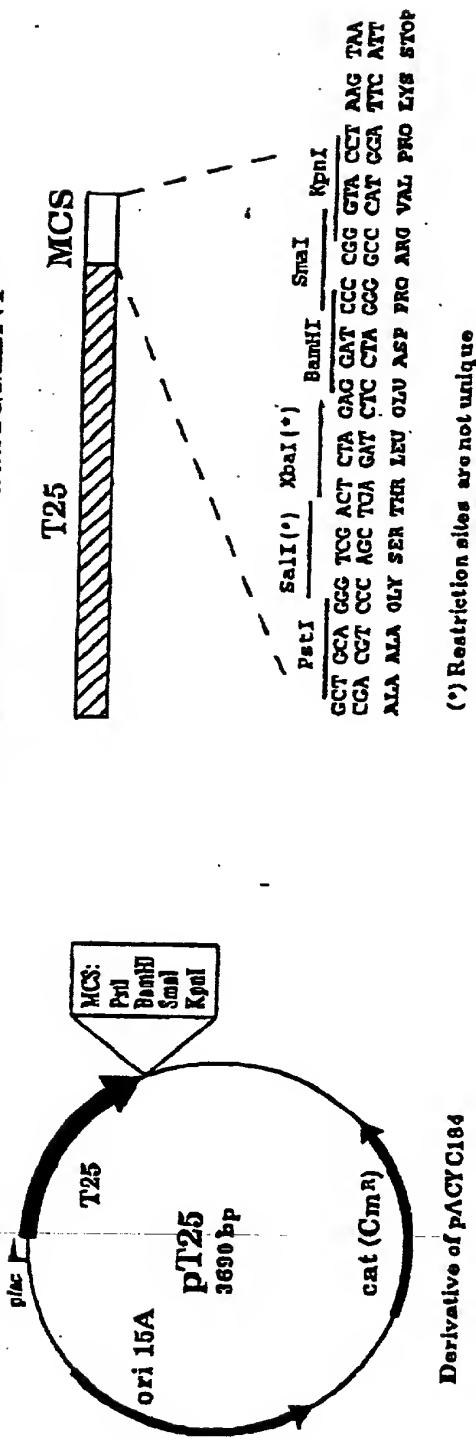


FIGURE 12

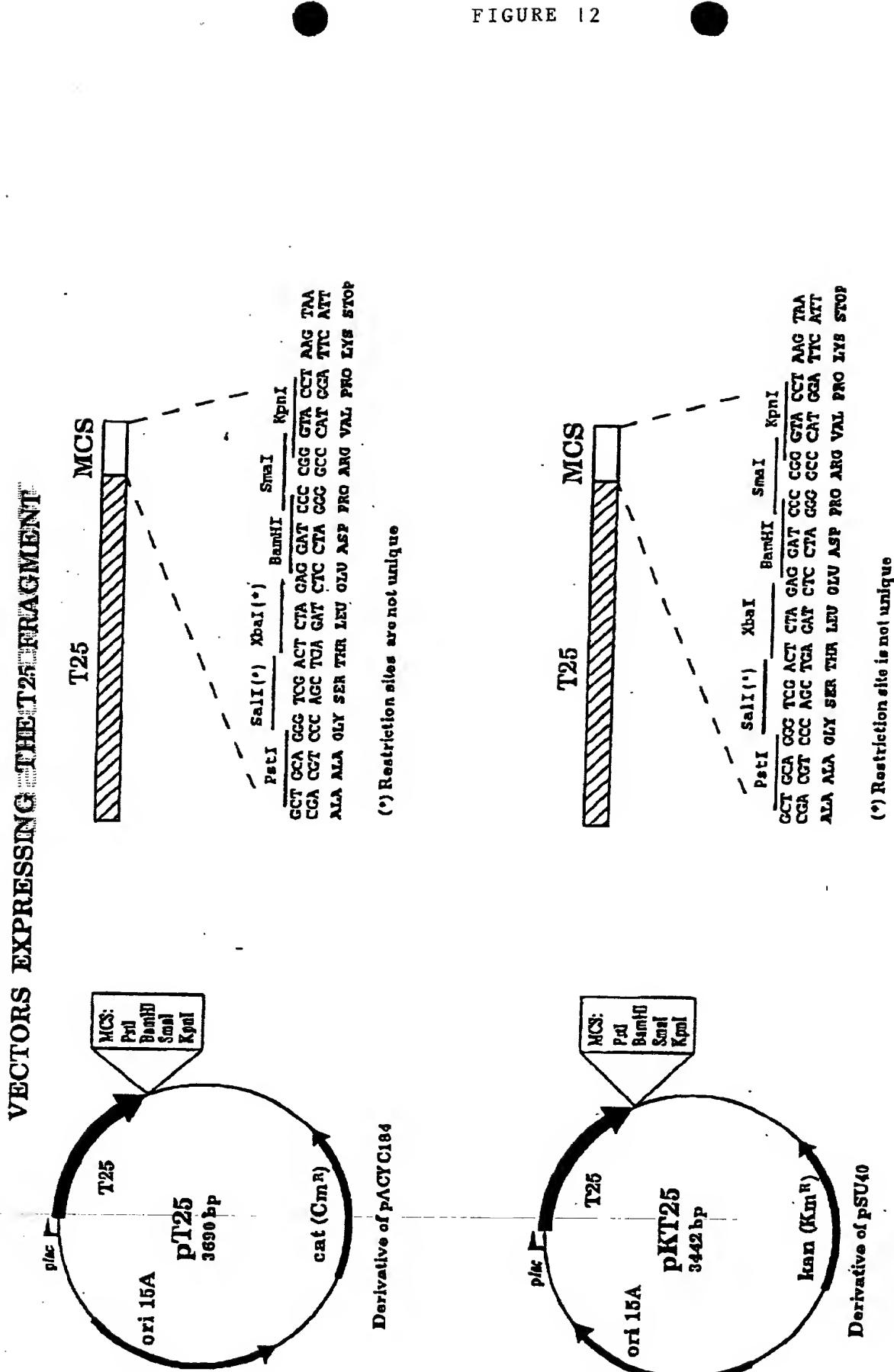


FIGURE 12

VECTORS EXPRESSING THE T1B FRAGMENT

13

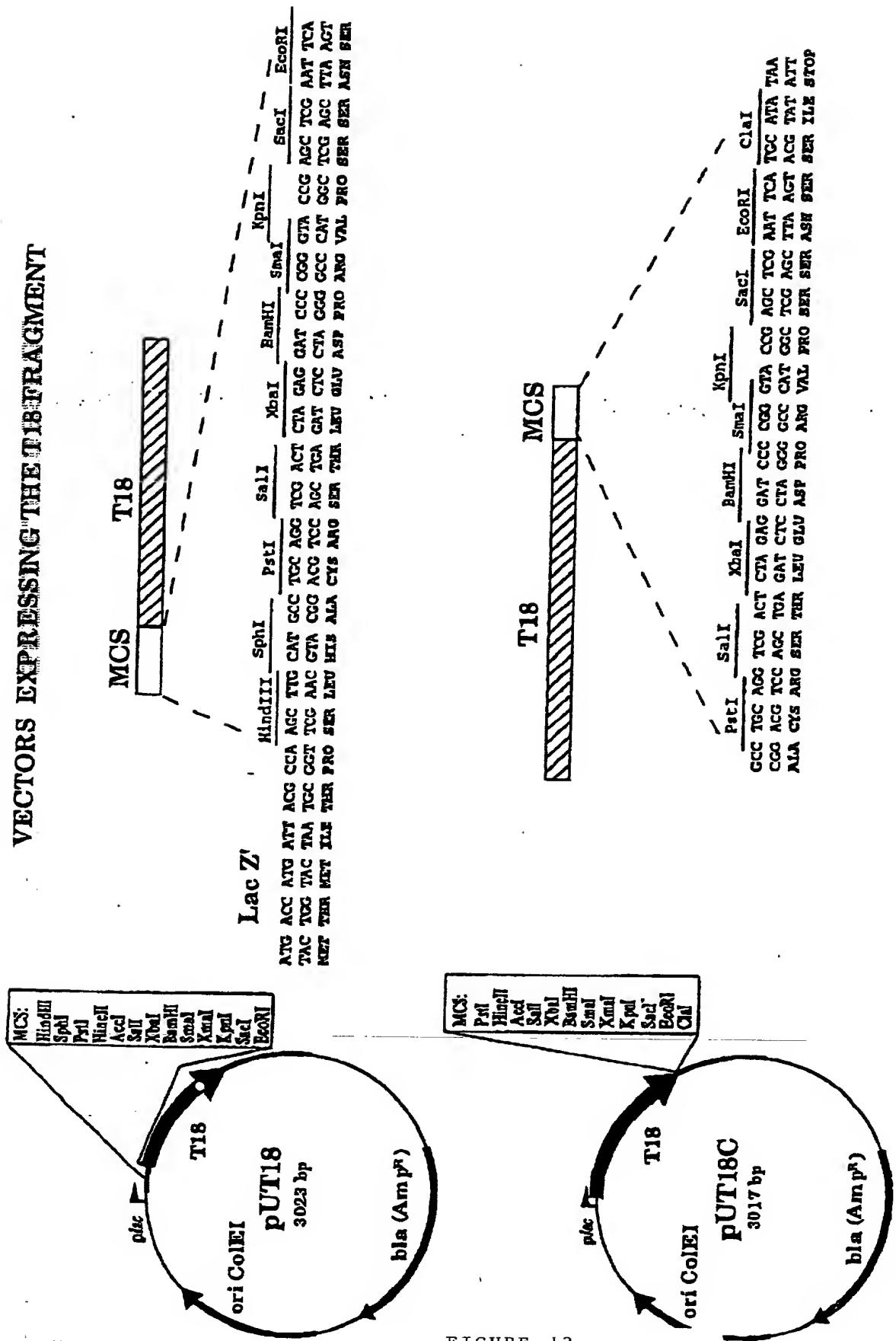
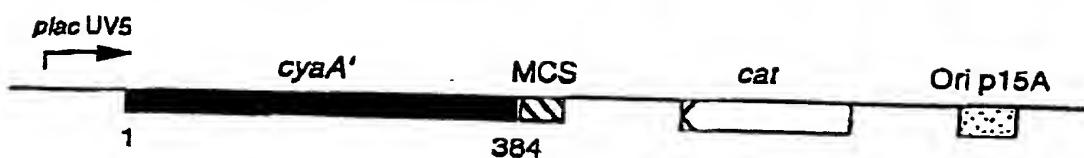
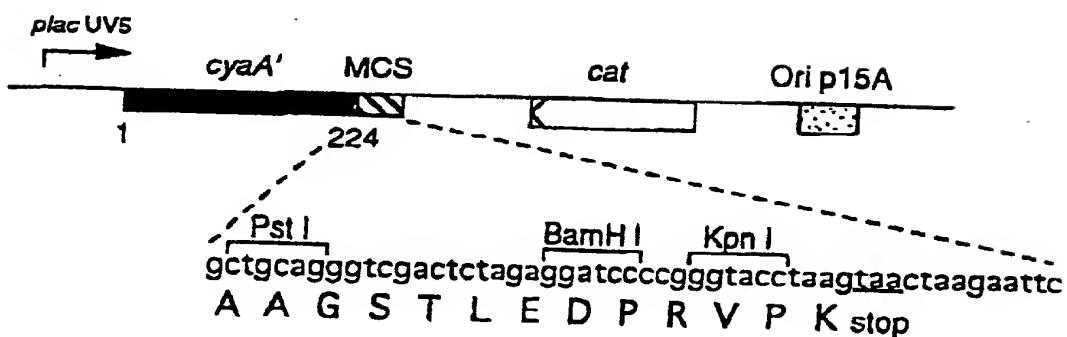


FIGURE 13

pCmAHL1



pT25



pT18

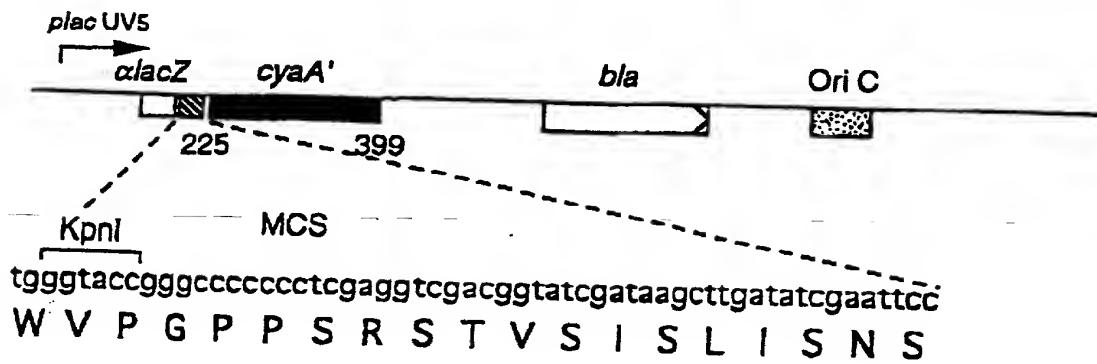


FIGURE 14

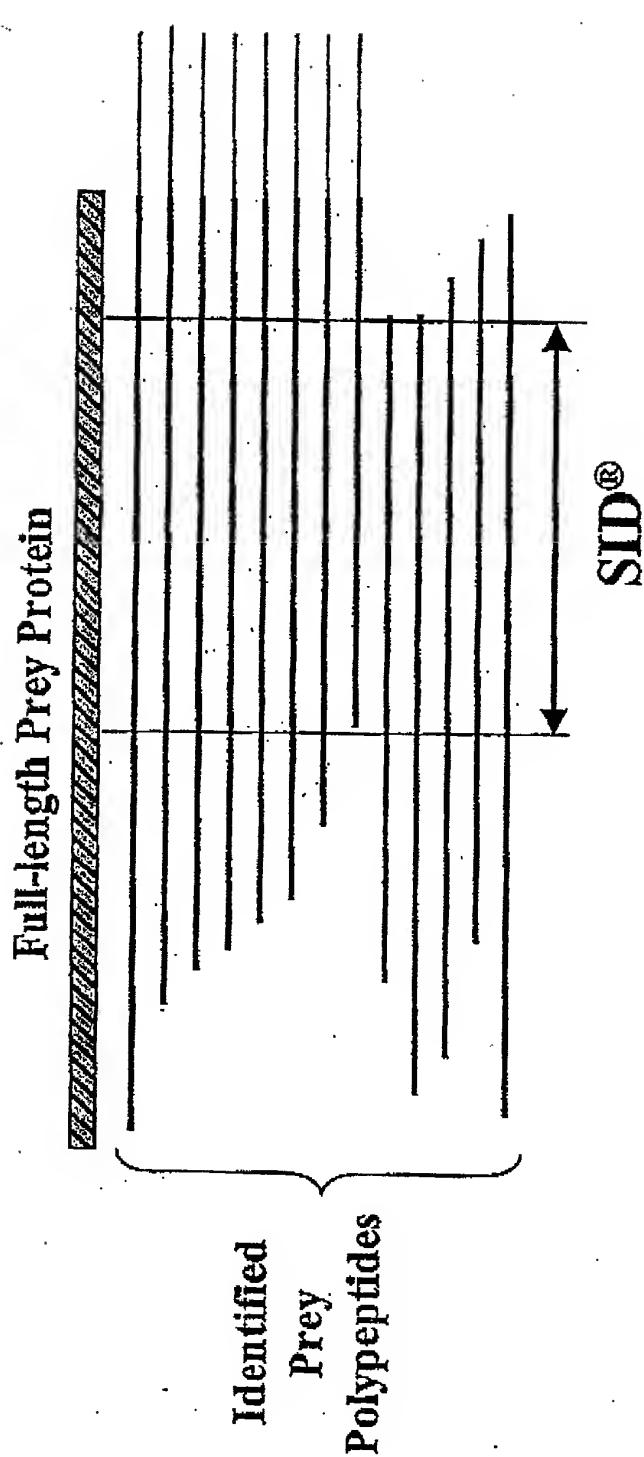


Figure 15: Schematic representation of SID® determination

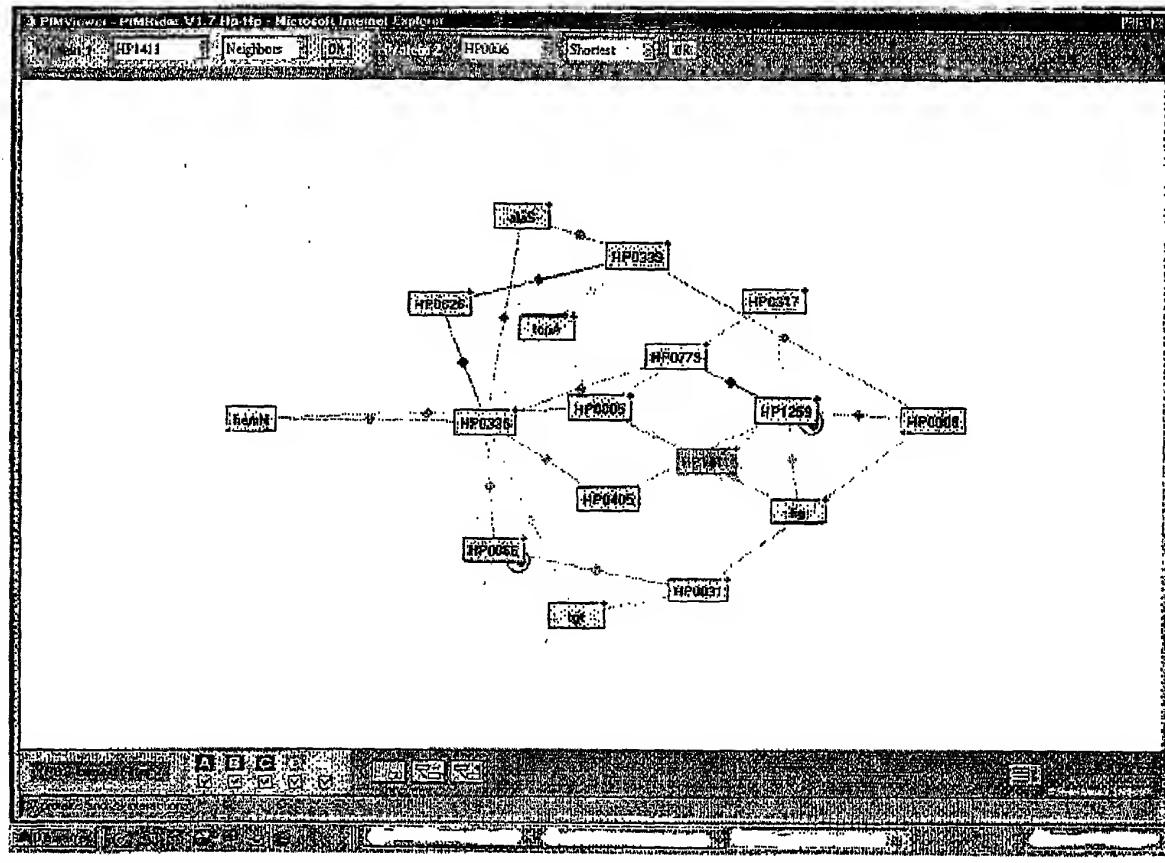


Figure 16 : Example of Protein Interaction Map

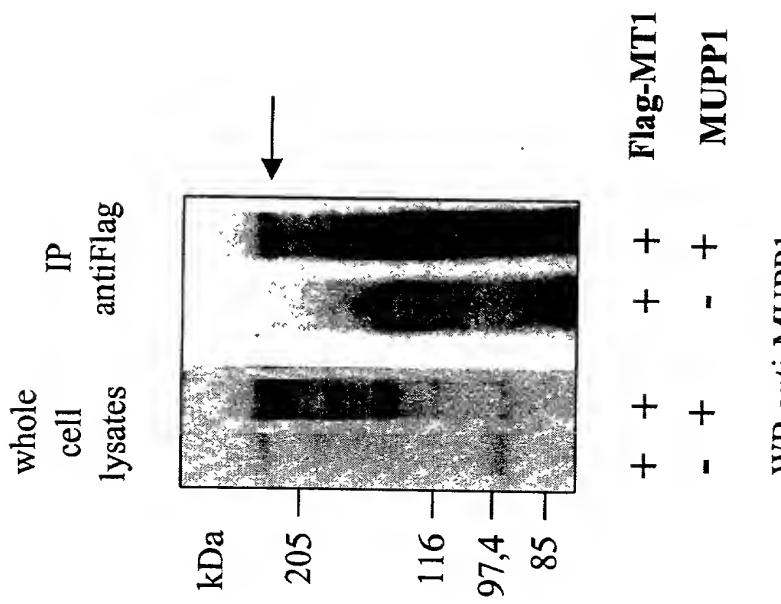
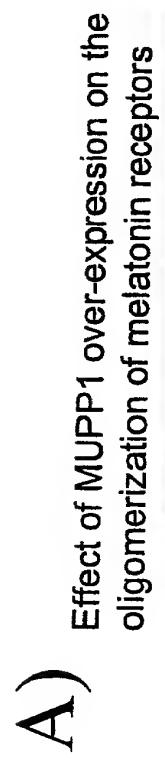


FIGURE 17



B)

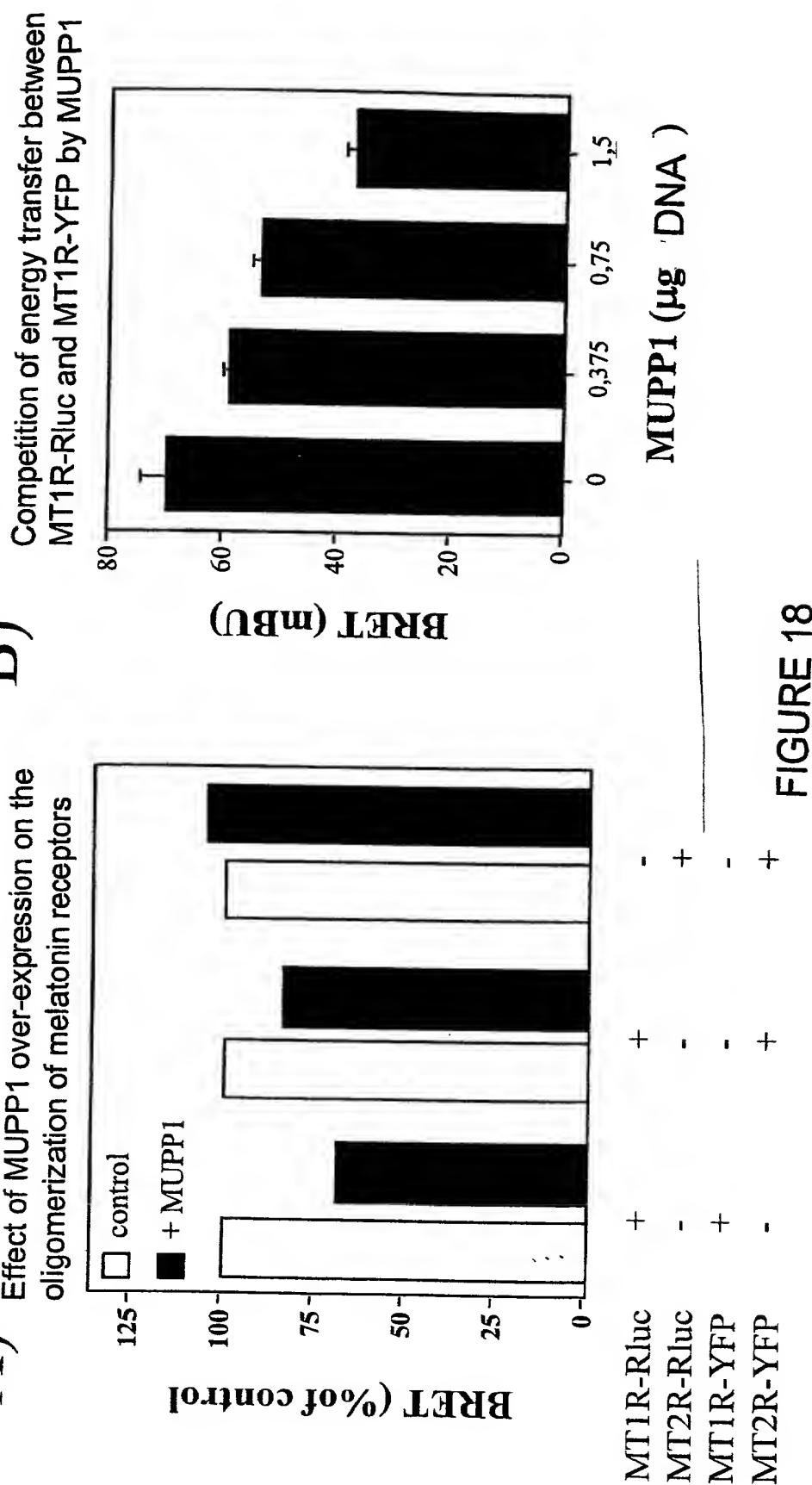


FIGURE 18

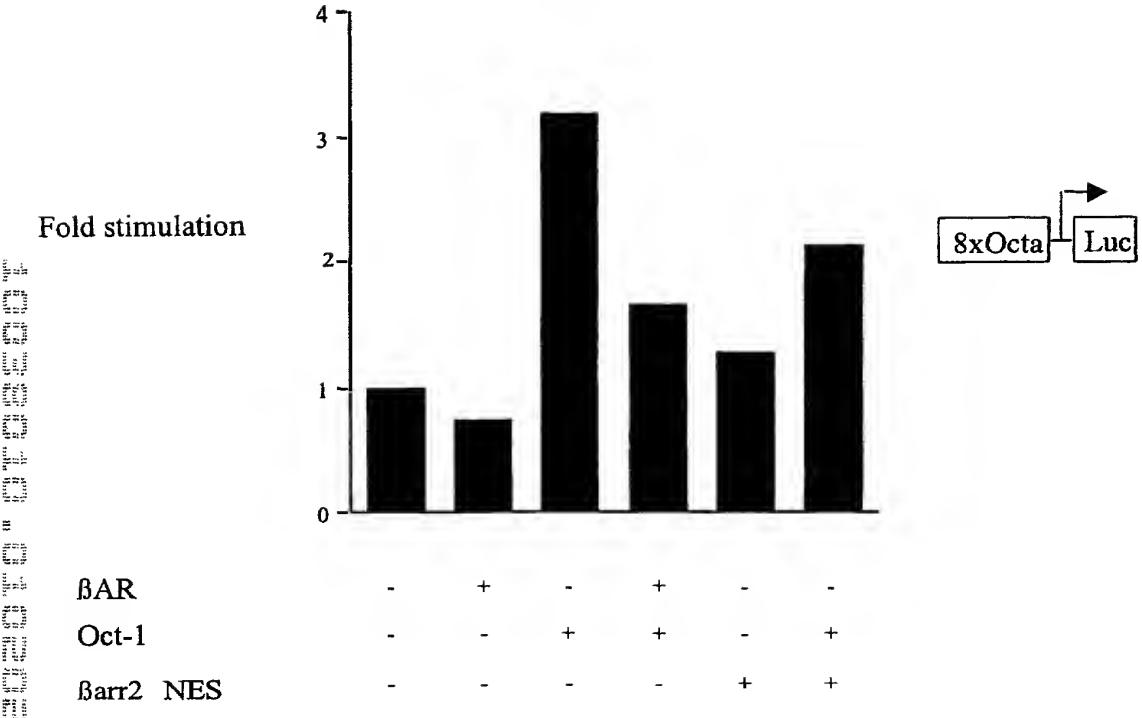


Figure 19